BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work: Estimate for Development of Play Ground at Varadharajangara in Ward No. 11, Vidyaranyapura Sub Division.

					Estimate Cost:			5000000.00	
Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	Leveling of Ground		1	135.00	102.00	0.50	6885.00		
	For Chain Link Fenicing		2	135.00	0.90	0.90	218.70		
			2	101.00	0.90	0.90	163.62		
							7267.32	83.16	**604350.00**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	**83.16**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	For Chain Link Fenicing		2	135.00	0.75	0.15	30.38		
			2	101.00	0.75	0.15	22.73		
							53.10	5070.60	**269249.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2015-16**	Cum							
	For Chain Link Fenicing		2	135.00	0.75	0.60	121.50		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	101.00	0.75	0.60	90.90		
							212.40	4135.32	**878342.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
	For Chain Link Fenicing		2	135.00	0.45	0.45	54.68		
			2	101.00	0.45	0.45	40.91		
							95.58	4905.36	**468854.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
5	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.3 / PWD SR 2015-16**	Sqm							
	For Chain Link Fenicing		2	135.00		0.45	121.50		
			2	101.00		0.45	90.90		
							212.40	97.20	**20645.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
6	KSRB-4-1.1 : Providing and laying in position plain cement concrete of **mix 1:2:4 with OPC cement @ 240 kgs with 40mm** and down size graded granite metal coarse aggregares @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, **No. 12 / Item No. 4.1 / PWD SR 2015-16**	Cum							
	For Chain Link Fenicing		2	135.00	0.45	0.10	12.15		
			2	101.00	0.45	0.10	9.09		
							21.24	5404.32	**114788.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	5004.00							
	Area Weightage @ 8%	400.32							
	Total	**5404.32**							
7	Supplying and fixing M.S rectangular poles made out of 2 equal angles of 65x656 mm welded together and fixed in CC (1:2:4) with 2 NOS 16 mm dia, M.S hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete), **No. 255 / Item No. 37.2 PWD SR 2015-16**	M							
	For Chain Link Fenicing		2x57	2.40			273.60		
			2x43	2.40			206.40		
							480.00	991.44	**475891.00**
	Basic Rate	918.00							
	Area Weightage @ 8%	73.44							
	Total	**991.44**							
8	Providing and fixing M.S. Block pipe of 38 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint, **Page No. 255 / Item No. 37.4 PWD SR 2015-16**	M							
	For Chain Link Fenicing		2x3	135.00			810.00		
			2x3	101.00			606.00		
							1416.00	338.04	**478665.00**
	Basic Rate	313.00							
	Area Weightage @ 8%	25.04							
	Total	**338.04**							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	Providing chain link fencing 50 mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall bed welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the engineer – in charge of work including two coats of approved quality paint over one coat of shop paint, **Page No. 255 / Item No. 37.3 PWD SR 2015-16**	Sqm							
	For Chain Link Fenicing		2	135.00		1.50	405.00		
			2	101.00		1.50	303.00		
							708.00	697.68	**493957.00**
	Basic Rate	646.00							
	Area Weightage @ 8%	51.68							
	Total	**697.68**							
10	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 gaguge M.S hollow pipe frame work bent to ornimental shape as shown in the drawing and 35 mm x 6 mm and 16 x 16mm squate roads for verticals alternatively spaced at 4 cms c/c in two halves and 40 mm x 6mm M.S Flates for horizontal memeber and at the top cast iron spikes are provided at alternate vertical member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc complete all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (Shop Paint) etc complete the work includes cost of all materials labour charges, for all items of work, hire chargesfor welding cutting and grainding equipment and electtricity charges with lead and lift loading and unloading etc complete as per specficiation **Page No. 42 / Item No. 7.37 PWD SR 2015-16**	Sqm							
			1	3.50	1.80		6.30		
							6.30	3299.40	**20786.00**
	Basic rate	3055.00							
	Add 8% AW	244.40							
	Total	**3299.40**							
11	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**7121.97**	106.34	**757328.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
								4582855.00	
	Sub Total								4585702.00
								366628.00	
	KRIDL Charges @ 8%								366856.00
								45829	
	Third Party Inspection Charges @ 1%								45857.00
								4688	
	Miscellaneous and unforeseen charges	LS							1585.00
								Total	**5000000.00**
(Rupees Fifty Lakhs Only)									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 19/9/16
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

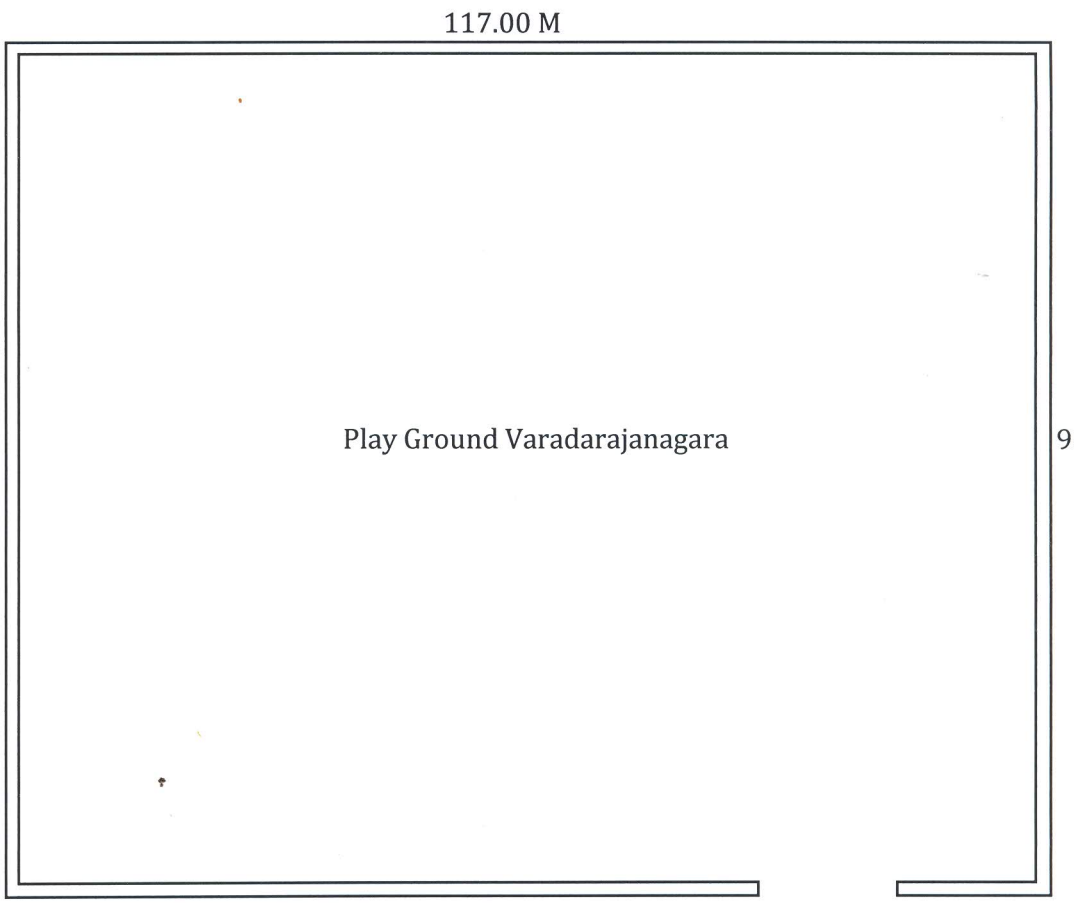
ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 lakhs
Rupees fifty lakhs only
Budget P-2415
Registered as EE ( ) No 3.....9.....
Subject to conditions contained in enclosed memo EE ( ) No ...../9/...
Dt ..... Estimate A/Sanctioned
Je(4) Bal AS /10 No/2016-17
dated 27/9/2016 Rs 50 lakhs

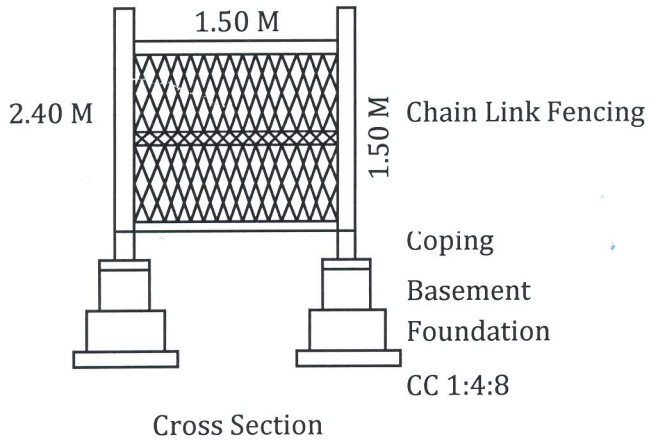
Technical Sanction
Accorded For "50.00" lakhs
Head of A/C...P2415
CER NO :.....61..... Dt:..19.10.16

TA CE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP Bengaluru-92

Name of Work: Development of Play Ground at Varadharajangara in Ward No. 11, Vidyaranyapura Sub Division.





Cross Section

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division